The Effect of Ethylene Glycol on the Colloid Properties of Aqueous Sodium Oleate Solutions

the solutions. An increase of the NaOH content decreases the turbidity and at a concentration of alkali of 0.0005 mole/l hydrolysis of the oleate is completely suppressed (Figure 6). The dependence of the turbidity on the sodium oleate concentration in the presence of various quantities of ethanol and glycol is shown in Figure 7. It is evident that alcohols decrease the turbidity of soap solutions without suppressing hydrolysis. Ethanol and glycol, like alkalis, lower the critical concentration of sodium oleate micelle formation. There are 9 graphs and 9 references, 2 of which are Soviet, 3 German, 2 English, and 2 Swedish.

ASSOCIATION: L'vovskiy universitet im. I. Franko (L'vov University im. Iv. Franko)

SUBMITTED: December 24, 1957

1. Sodium [illegible] 2. Sodium solutions--Properties
3. Ethylene glycol--Chemical reactions

Card 2/2

YURZHENKO, A. I. [IUrzhenko, O.I.]; STOROZH, G.F. [Storozh, H.F.]

Effect of lower aliphatic alcohols on the colloidal properties of sodium oleate solutions. Nauk.zap.L'viv.un. 46:48-52 '58. (MIRA 12:7)

(Colloids) (Alcohols)

YURZHENKO, A.I.; STOROZH, G.F.

Effect of ethylene glycol on the colloidal properties of aqueous sodium oleate solutions [with summary in English]. Koll.zhur. 20 no.5:550-555 S-O '58. (MIRA 11:11)

1. L'vovskiy universitet imeni Iv. Franko.
(Ethylene glycol) (Colloids) (Oleic acid)

KUCHER, R.V.; STOROZH, G.F. [Storozh, H.F.]; YURZHENKO, A.I. [IUrzhenko, O.I.]

Viscosity of aqueous solutions of sodium oleate in the presence of some alcohols. Dop. AN URSR no.1:60-63 '59. (MIRA 12:3)

1. L'vovskiy gosudarstvennyy universitet im. Iv. Franka. Predstavil akademik AN USSR A.V. Dumanskiy [A.V. Dumans'kyi].
(Oleic acid) (Viscosity)

S/069/63/025/001/006/008
B101/B186

AUTHORS: Storozh, G. F., Yurzhenko, A. I.

TITLE: Effect of aliphatic alcohols on the polymerization rate of styrene in emulsion

PERIODICAL: Kolloidnyy zhurnal, v. 25, no. 1, 1963, 77-81

TEXT: The purpose of this study was to explain the effect of organic additives on the micellar structure of soap and thus also on the emulsion polymerization of hydrocarbons. Styrene was polymerized in a dilatometer at 20°C and a ratio of hydrocarbon : aqueous phase = 1 : 9. Sodium stearate (0.05 moles/l) or sodium oleate (0.1 moles/l) were used as emulgator. The reaction was initiated with 0.4% potassium persulfate calculated for the aqueous phase. The polymerization rate and the molecular weight of polystyrene were determined. The effects of propyl, butyl, amyl, and hexyl alcohols in the presence of sodium stearate were studied. At a certain concentration, a maximum of polymerization rate and of molecular weight occurred for each alcohol. The optimum concentration was 0.07 moles/l for propyl alcohol, 0.2 moles/l for amyl alcohol, and

S/069/63/025/001/006/008
B101/B186

Effect of aliphatic alcohols ...

0.147 moles/l for hexyl alcohol. The effect of chain length of the alcohol radical on the polymerization rate and molecular weight of the polymer was found to be the same also in the presence of sodium oleate. The data given are optimum alcohol concentration (moles/l), maximum polymerization rate (% per min), and molecular weight of the polymer: Methanol 1.87, 0.95, 76750; propanol 0.12, 0.90, 79450; hexanol 0.009, 1.47, 88840; octanol 0.0075, 1.63, 104200; decanol 0.0019, 2.05, 123710. The colloidal properties of the alcoholic-aqueous solution of soap, such as viscosity, electrical conductivity, critical concentration of micelle formation, etc. change in the same way. Conclusions: The surface of the alcohol - soap micelles is decreased by addition of small amounts of alkanols. Thus, the solubility of the monomer in the micelles increases as well as the polymerization rate. Low concentrations of alcohols which are surface-active substances intensify the stabilizing effect of soap, but higher concentrations change the structure. A true, noncolloidal soap solution forms in the presence of low-molecular alcohols, whereas a new soap - alcohol - water phase forms in the presence of high-molecular alcohols. The latter phase can be recognized by the turbidity occurring after the addition of amyl, hexyl, or octyl alcohol to the aqueous

Card 2/3

S/069/63/025/001/006/008
B101/B186

Effect of aliphatic alcohols ...

solution of sodium oleate. Both processes reduce the size of micelles, thus inhibiting the polymerization rate. There are 3 figures and 1 table.

ASSOCIATION: L'vovskiy universitet im. I. Franko, Kafedra fizicheskoy i kolloidnoy khimii (L'vov University imeni I. Franko, Department of Physical and Colloid Chemistry)

SUBMITTED: November 20, 1961

Card 3/3

POKROVSKIY, M.; STOROZHENKO, A., smennyy inzhener.

Advantageous operation of briquet factories. Mast.ugl.5 no.2:31 F '56. (MLRA 9:6)

1.Tekhnolog Raychikhinskoy briketnoy fabriki (for Pokrovskiy)
(Briquets (Fuel))

BELYAKOV, N.F. (Khar'kov); LYSHKEVICH, V.A. (Khar'kov); STOROZHENKO, A.A. (Khar'kov); CHEBOTAREV, D.N. (Khar'kov)

Concrete piles with a corrugated surface. Osn., fund. i mekh. grun. 4 no.3:17-18 '62. (MIRA 15:7)
(Piling (Civil engineering))
(Precast concrete construction)

NABOKOV, Mefodiy Nikonovich; STOROZHENKO, Arkadiy Mikhaylovich; YEZDOKOVA, M.L., redaktor; NAZAROV, P.P., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor

[Percussion boring machine operator] Mashinist stanka udarno-kanatnogo bureniia. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 176 p. (MLRA 9:1)
(Boring machinery) (Boring)

STOROZHENKO, A.M.

Increasing the effectiveness of cable-tool percussion drilling by adding to the height of fall of the boring tool. Gor.zhur. no.8:64 Ag '55. (Boring) (MLRA 8:8)

OGIYEVSKIY, V.M., prof., doktor tekhn. nauk; STOROZHENKO, A.M., inzh.; POLYANSKIY, V.A.

Investigating vibration conditions of the operation platform of percussion-rope boring machines. Bezop. truda v prom. 2 no.2: 24-27 F '58. (MIRA 11:2)

1. Magnitogorskiy gorno-metallurgicheskiy institut (for Ogiyevskiy, Storozhenko). 2. Ufimskiy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy (for Polyanskiy).
(Boring machinery--Vibration)

ZORIN, Il'ya Petrovich, inzh.; STOROZHENKO, Arkadiy Mikhaylovich, inzh.; TARAN, M.N., otv.red.; KAUFMAN, A.N., red.izd.; LOMILINA, L.N., tekhn.red.; BEKKER, O.G., tekhn.red.

[Percussion-cable drilling] Udarno-kanatnoe burenie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 242 p. (MIRA 13:5)

(Boring)

BULGAKOV, Fedor Nikitovich, GUSAKOVA, Mariya Afrikanovna, STOROZHENKO, Aleksandr Panteleyevich; MARGOLIN, V.A., otvetstvennyy redaktor; GARBER, T.N., redaktor izdatel'stva; ANDREYEV, O.G., tekhnicheskiy redaktor

[Work practices of the Kalmius central coal preparation plant] Opyt raboty Kal'miusskoi tsentral'noi ugleobogatitel'noi fabriki. Moskva, Ugletekhizdat, 1956. 28 p. (MLRA 9:12)
(Donets Basin--Coal preparation)

STOROZHENKO, Aleksandr Panteleyevich; KOZLOVA, Neonila Petrovna; GARBER, T.I., red.izd-va; LOMILINA, L.N., tekhn.red.

[Practices in coal preparation for coking] Opyt obogashchenia uglei dlia koksovania. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1959. 109 p. (MIRA 13:2)
(Donets Basin--Coal preparation) (Coke)

TURCHENKO, Aleksandr Ivanovich; SOKOLOV, Vladimir Gennadiyevich; KOZLOVA, Leonila Petrovna; GUSAKOVA, Mariya Afrikanovna; VOLOKOV, Kuz'ma Denisovich; KARPOVA, N.N., otv. red.; TURCHENKO, V.K., otv. red.; GARMEN, T.N., red. izd-va; GOLDYREVA, Z.A., tekhn. red.

[Maintenance of machines in coal-preparation plants] Ukhod za mashinami na ugleobogatitel'nykh fabrikakh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 258 p. (MIRA 15:1)

(Coal preparation--Equipment and supplies)

STOROZHENKO, A.Ye.

Making use of the potentialities of the Kiev Railroad Car Repair Plant. Zhel. dor. transp. 40 no.3:73-75 Mr '58. (MIRA 11:4)

1.Kommercheskiy direktor Kiyevskogo vagonoremontnogo zavoda.
(Kiev--Railroads--Cars)

1. [illegible], L.N.

2. USSR (600)

4. SCIENCE

7. Soils of the extinct volcanic mounds of Central Kazakhstan. Alma-Ata, Izd-vo AN Kazakhskoi SSR 1952

9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

STOROZHENKO, D.M., kandidat sel'skokhozyaystvennykh nauk

Characteristics of the new lands of Akmolinsk Province. Vest. AN Kazakh SSR 11 no.4:38-47 Ap '55. (MLRA 8:8)
(Akmolinsk Province--Soils)

PACHIKINA, Lyubov' Ivanovna; RUBINSHTEYN, Mikhail Isaakovich; STOROZHENKO, D.M., otv.red.vypuska; BEZSONOV, A.I., otv.red.; BOROVSKIY, V.M., red.; SOKOLOV, A.A., red.; SOKOLOV, S.I., red.; USPANOV, U.U., red.; POGOZHEV, A.S., red.; RORKINA, Z.P., tekhn.red.

[Soils of Kazakhstan in 16 volumes] Pochvy Kazakhskoi SSR v 16 vypuskakh. Alma-Ata. Vol.2. [Soils of Kokchetav Province] Pochvy Kokchetavskoi oblasti. 1960. 135 p. (MIRA 13:8)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvovedeniya.
(Kokchetav Province--Soils)

FEDORIN, Yuriy Vasil'yevich; PETKLIN, A.M., kand.sel'skokhoz.nauk, otv. red.; BEZSONOV, A.I., glavnyy red.; USPANOV, U.U., zamestitel' glavnogo red.; BOHOVSKIY, V.M., red.; SOKOLOV, A.A., red.; SOKOLOV, S.I., red.; STOROZHENKO, D.M., red.; BAALYBAYEVA, K., red.; SHEVCHUK, T.I., red.; PROKHOROV, V.P., tekhn.red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi SSR v 16 vypuskakh. Alma-Ata. Vol.1. [Soils of North Kazakhstan Province] Pochvy Severo-Kazakhstanskoi oblasti. 1960. 173 p. (MIRA 13:7)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvovedeniya.

(North Kazakhstan Province--Soils)

DZHANPEISOV, R.; SOKOLOV, A.A.; FAIZOV, K.Sh.; HEZSONOV, A.I., glavnyy red.; USPANOV, U.U., zam.glavnogo red.; BOROVSKIY, V.M., red.; SOKOLOV, S.I., red.; STOROZHENKO, D.M., red.; BARLYBAYEVA, K.Kh., red.; IVANOVA, E.I., red.; PROKHOROV, V.P., tekhn.red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi SSR v 16 vypuskakh. Alma-Ata. Vol.3. [Soils of Pavlodar Province] Pochvy Pavlodarskoi oblasti. 1960. 264 p. (MIRA 13:11)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvovedeniya.

(Pavlodar Province--Soils)

SOKOLOV, S.I.; ASSING, I.A.; KUMANGALIYEV, A.B.; SEMIKOV, S.K.; BEZSONOV, A.I., glav. red.; DOROVSKIY, V.M., red.; SOKOLOV, A.A., red.; STOROZHENKO, D.M., red.; USPANOV, U.U., red.; SHEVCHUK, T.I., red.; KOROKINA, Z.P., tekhn. red.

[Soils of the Kazakh S.S.R. in 16 volumes] Pochvy Kazakhskoi SSR v 16 v puskakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol.4. [Alma-Ata Province] Pochvy Alma-Atinskoi oblasti. 1962. 422 p. (MIRA 15:4)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvovedeniya.

(Alma-Ata Province--Soils)

ST[illegible]NKO, I.M.

Soils of the Karaganda industrial region. Trudy Inst. pochv. AN Kazakh. SSR. 15:[illegible]. [illegible]. (MIRA 16:12)

KEDROV, Vasiliy Vasil'yevich; STOROZHENKO, L.N., otv. red.; SHEVCHUK, T.I., red.; [illegible], A.I., red.

[Soils of the Kazakh S.S.R. in 16 issues] Pochvy Kazakhskoi . v 16 vypuskakh. Alma-Ata, Nauka. No.5. 1964. 323 p. (MIRA 17:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut pochvovedeniya.

STOROZHENKO, F.F.

Drawing a prescribed flight itinerary with student pilots.
Vest.Vozd.Fl. no.8:40-41 Ag '61. (MIRA 14:8)
(Navigation (Aeronautics)—Study and teaching)

STOROZHENKO, G.

Kitchen stoves with boilers. Zhil.stroi. no.12:20 '59.
(MIRA 13:4)

(Stoves) (Hot-water heating)

[illegible]ZHO, G.A.

Government prize for reinforced concrete molds. Bet. 1
shel.-bet. m-va 11:528 N '61. (MIRA 14:12)

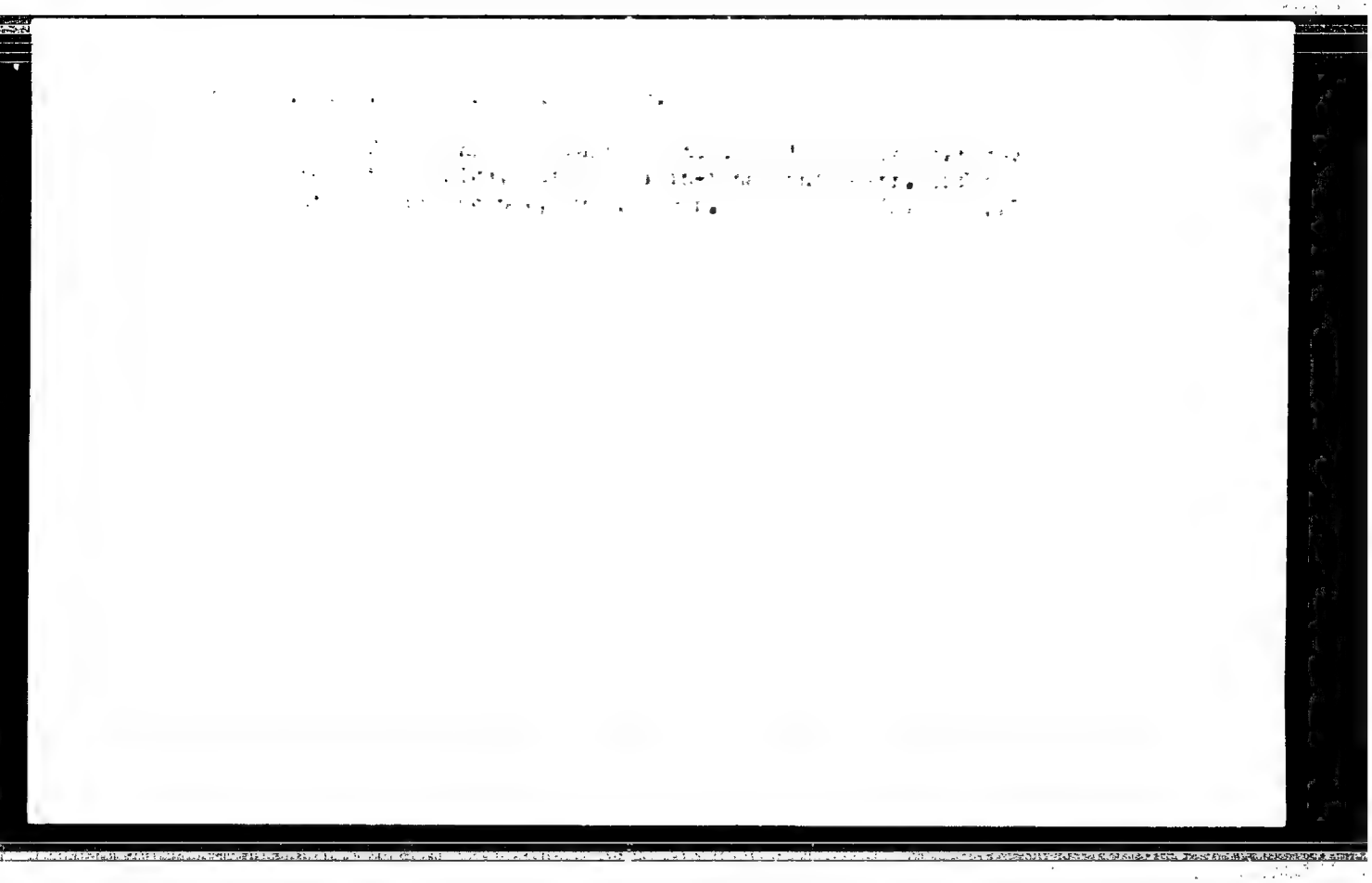
(Latvia--Precast concrete)

[illegible], [illegible]; [illegible], G., red.; [illegible], A., tekhn. red.

[Metallic molds of standardized products of precast reinforced concrete for the Soviet Baltic Republics; construction and building materials] Metallicheskie formy unifitsirovannykh izdelii sbornogo zhelezobetona dlia pribaltiiskikh sovetskikh respublik; stroitel'stvo i stroitel'nye materialy. Riga, TSentr.biuro tekhn. informatsii, 1962. 12 p. (MIRA 16:10)
(Baltic States--Precast concrete construction--Standards)

[illegible], S.; [illegible], N.; [illegible]; [illegible]; [illegible], G., red.

[Introduction of the ultrasonic line method for the processing of fabrics in the finishing workshops of the "Signal" textile" Woolen [illegible] factory. Application of ultrasonic [illegible] in the [illegible] of oil lacquer for leather manufacture. [by] G. [illegible]. Improving the quality of chrome leather straps for the [illegible] of spinning machinery. [by] A. [illegible]] [illegible] metoda obrabotki tkani v [illegible] "Signal'-tekstil'," [illegible] ul'trazvuka v tekhnologii varki kozlin po likvidatsii [illegible]. [illegible] svoystv. [by] G. Saltanov, [illegible] kachestva [illegible] nykh remeshkov dlya vytiazhnykh priborov [illegible] [illegible]. [by] A. Gaporova. Kiev, Tsentr. [illegible] inform. informatsii, 1962. 13 p. (MIRA 17:10)



APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653410015-5"

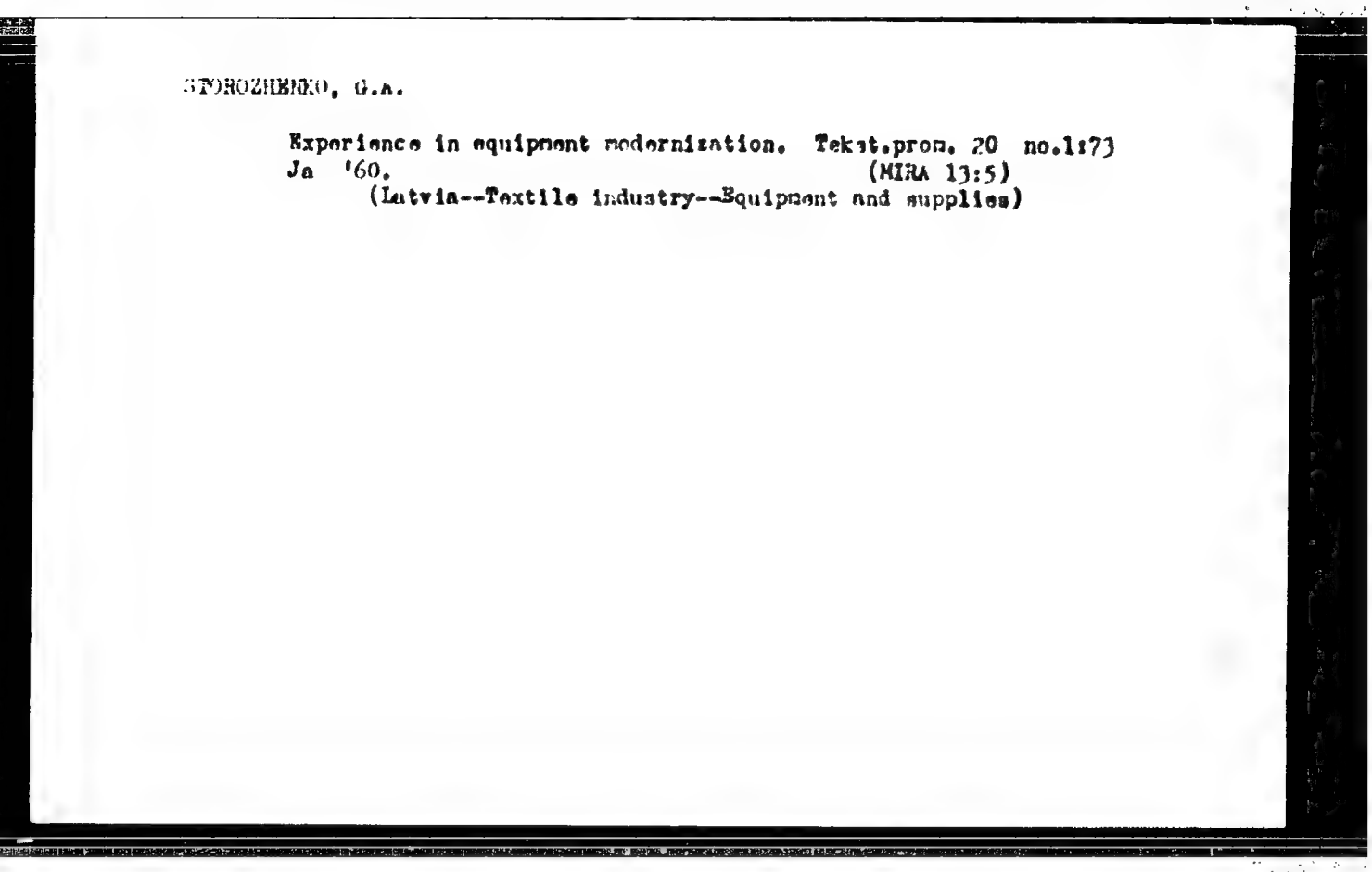
TAROVIEV, A.D.; STOROZHENKO, G., red.

[Dyeing and decoration of plastics] Krashenie i dekorirovanie plastmass. Riga, Latviiskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1965 59 p.
(MIRA 18:12)

STOROZHENKO, G.A.

Transition to a short working day. Med.prom. 14 no.1:29-31 Ja '60. (MIRA 13:5)

1. Rizhskiy zavod meditsinskikh preparatov.
(RIGA--HOURS OF LABOR)



GOROZHENKO, G.A.

Experience in equipment modernization. Tekst.prom. 20 no.1:73 Ja '60. (MIRA 13:5)
(Latvia--Textile industry--Equipment and supplies)

STOROZHENKO, G.A.

Enamelled glass facing tiles. Stek. i ker. 18 no. 3:37 Mr '61.
(MIRA 14:5)

(Glass manufacture) (Tiles)

STOROZHENKO, G.A.

Mechanization of the transportation and discharge of corrosive acids. Tekst.prom. 21 no.9:75-76 S '61. (MIRA 14:10)
(Acids--Handling and transportation)

STOROZHENKO, G.A.

Shoe lasts made from capron wastes. Kozh.-obuv.prom. 4 no.6:30 Je '62. (MIRA 15:6)

(Boots and shoes) (Nylon)

L 27884-65 EWT(d)/EED-2/EWP(1) Po-4/Pq-4/Pg-4/Pk-4 IJP(c) BB/GG/GS

ACCESSION NR: AT5003955 S/0000/64/000/000/0351/0358

45
44
B+1

AUTHOR: Storozhenko, G. I.

TITLE: Elements and units for control computers 16

SOURCE: Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti. Nauchno-tekhnicheskoye soveshchaniye. 3d, Moscow, 1962. Vychislitel'naya tekhnika dlya avtomatizatsii proizvodstva (Computer technology for the automation of production); trudy soveshchaniya. Moscow, Izd-vo Mashinostroyeniye, 1964, 351-358

TOPIC TAGS: control computer, computer element, logic circuit, ferrite core, coding

ABSTRACT: The article describes elements and units for computer and control units developed at the Lisichanskiy filial Instituta avtomatiki (Lisichansk branch of the Institute of Automation). All are made up of magnetic logic elements constructed with toroidal square-hysteresis-loop ferrite cores and interconnecting diodes. All elements are based on the three-position ferrite-diode register and germanium point-contact diodes. The logic elements developed are: delay circuit (type P), inhibitor circuit (type Z), dynamic flipflop (type T), OR-NO gate (type

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ACCESSION NR: AT5003955

R), coincidence circuit (type I-2), power unit (PM and M), generating unit (type GP), and signal unit (type S). All elements are similar in size and appearance and are color coded for identification. A three-phase pulsed power supply is necessary for their operation (pulse amplitude 5--8 A, rise time 2 A/μsec, repetition rate 50 cps -- 50 kcs). Also described are ferrite-transistor decoders developed for the decoding of binary code with a large number of outputs, and static and operative memories using ferrite cores with transistor control, as well as units for coupling the computer with the control object. The elements were used in the construction of the control computer "Avtooperator," used for centralized and program control of individual shops or groups of units, and "Avtodispetcher," used in automatic control systems for selecting optimal production control. These computers are not described. The OR-AND circuit is covered by Author's certificate no. 127478, issued to V. A. Afanas'yev. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 01Sep64 ENCL: 00 SUB CODE: DP

NR REF SOV: 001 OTHER: 000

Card 2/2

L 52036-65 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EED-2/EWP(1) Pq-4/Pf-4/Pg-4
IJP(c) BB/GG/GS
ACCESSION NR: AT5011612 UR/0000/64/000/000/0398/0401

33
B+1

AUTHOR: Storozhenko, G. I.

TITLE: Magnetic logical elements 16

SOURCE: Vsesoyuznoye soveshchaniye po magnitnym elementam avtomatiki, telemekhaniki, izmeritel'noy i vychislitel'noy tekhniki. Lvov, 1962. Magnitnyye elementy avtomatiki, telemekhaniki, izmeritel'noy i vychislitel'noy tekhniki (Magnetic elements of automatic control, remote control, measurement and computer engineering); trudy soveshchaniya. Kiev, Naukova dumka, 1964, 398-401

TOPIC TAGS: magnetic logical element, three stroke logical element, ferrite diode logical element, scaling circuit

ABSTRACT: The article describes the basic operation and general characteristics of logical elements developed at the Lisichansk Branch of the Institut avtomatiki (Institute for Automation) (city of Severo-Donetsk in Luganskaya oblast), and earmarked for incorporation into automation and telemechanical systems and computers. They are based on the three-stroke ferrite-diode scaling circuits developed by the Laboratoriya elektromodelirovaniya Akademii nauk SSSR (Electrosimulation Laboratory of the Academy of Sciences, SSSR). All elements are based on toroidal ferrite cores and utilize point diodes. The logical operations are realized by

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ACCESSION NR: AT5011612

means of the current compensation method. The set comprises delay, blocking, power, generating, and signalization cells. They work well within the -30 to +65C temperature range, and during tests cells operated continuously without failure during 48-hour periods at 40 ± 2C and 95-98% relative humidity. Some of the samples are in devices which have been in satisfactory operation since October of 1961. Orig. art. has: 2 formulas and 5 figures.

ASSOCIATION: None

SUBMITTED: 29Sep64 ENCL: 00 SUB CODE: OP, IE

NO REF SOV: 001 OTHER: 000

Card 2/2

STOROZHENKO, I.G.; SAVCHIN, M.Yu.

Using the "Gorniak" cutter-loader to stope 95 m in a month. Ugol' Ukr. 7 no.7:44 Jl '63. (MIRA 16:8)

(Stoping (Mining)--Labor productivity)

STEPANCHENKO, L.I., inzh.

Investigation of the rigidity of prestressed reinforced concrete elements during the prolonged action of a load. Stroi.konstr. no.2:136-144 '65. (MIRA 18:12)

1. Krivorozhskiy gornorudnyy institut.

VOROB'YEV, A.F.; PRIVALOVA, N.M.; STOROZHENKO, L.V.; SKURATOV, S.M.

Standard enthalpies of formation of some picrates. Dokl. AN SSSR 135 no.5:1131-1132 D '60. (MIRA 13:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lononosova. Predstavleno akademikom A.N.Frumkinym.
(Enthalpy) (Picric acid)

STOROZHENKO, M.A., inzh.

The PTV screw drive. Mekh.i avtom.proizv. 14 no.3:16-18 Mr '60.
(MIRA 13:6)

(Electric driving)

STOROZHENKO, M.A., inzh.; LYTNEV, M.A., inzh.

The USE-1 device for operating switches from a moving electric mine locomotive. Mekh.i avtom.proizv. 14 no.5:40-43 My '60. (MIRA 14:2)

(Mine railroads--switches)

STOROZHENKO, N.L.

Experience in the work of automation. Med.prom 16 no.6:37-40 Jl '62. (MIRA 15:12)

1. Moskovskiy salitsilovyy zavod.
(DRUG INDUSTRY) (AUTOMATION)

BUKHARIN, V., inzh.-konstrukter; STOROZHENKO, S., inzh.-konstrukter

Semihydroplane boat "Mir" in a distant trip. Voen. znan. 34 no.8:34-35 Ag '58. (MIRA 11:12)

1.Chleny Geograficheskogo obshchestva.
(Hydroplane boats)

KONOVALOV, I.M.; STOROCHENKO, S.A.

Genesis of Babaytaudor-type granite syenites. Uzb.geol.zhur. 8 no.3:66-71 '64. (MIRA 18:12)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov Uzbekskoy SSR. Submitted May 8, 1963.

STOROZHENKO, S.N.

Causes of industrial accidents in railway construction. Ortop. travm. i protez. 21 no. 9:44-48 S '60. (MIRA 13:12)
(RAILROADS—ACCIDENTS)

STOLOZHENKO, S.N. (g.Kurgan)

Prevention of microtrauma in railroad builders. Fel'd. i akush. 26 no.9: 58-60 S '61. (MIRA 14:10)
(RAILROAD CONSTRUCTION WORKERS—DISEASES AND HYGIENE)

STOROZHENKO, S.N. (Kurgan)

.ole of intermediate medical personnel in rendering first aid in injuries of workers building railroads. Fel'd. i akush. (MLA 16:8)
27 no.9:22-23 S'62.
(RAILROADS—EMPLOYEES—MEDICAL CARE)

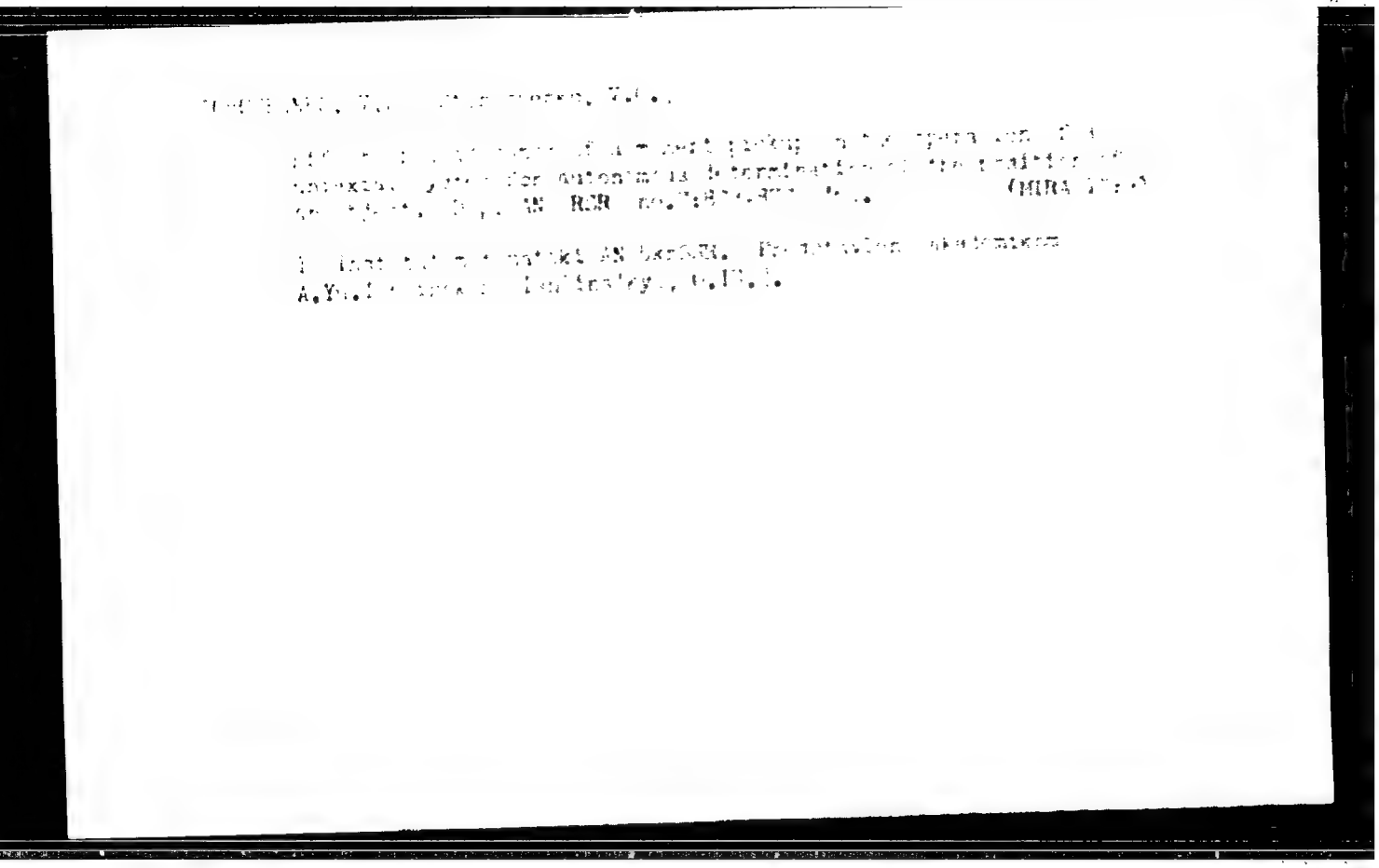
STOROZHENKO, S. N. (Kurgan)

Microtrauma and the prevention of paronychia. Khirurgiia 38 no.5:111-113 My '62. (MIRA 15:6)

(FELON(DISEASE)) (HAND—WOUNDS AND INJURIES)

STOROZHENKO, S.N. (Kurgan)

Medicostatistical characteristics of injuries among railroad construction workers and the prevention of traumatism. Ortop., travm. i protez. no.8:51-54 '62. (MIRA 17:10)



L 00[illegible]-67 EWT(m)/EWP(w) IJP(c) WW/EM
ACC NR: AP6030077 SOURCE CODE: UR/0024/66/000/003/0024/0032

Author: Storozhenko, V. A.

ORG: none

TITLE: Application of the energy method to investigation of stability of some vibrating systems

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 3, 1966, 24-32

TOPIC TAGS: vibration analysis, forced vibration, stability criterion, gyroscope, ordinary differential equation

ABSTRACT: The index of damping is calculated for a vibrating mechanical system of several degrees of freedom. The analysis consists of solving an n-th order ordinary differential equation described by

$$\frac{d^2y}{dt^2} + \omega_j^2 y = -\varepsilon_2(\omega_j^2)\frac{dx}{dt} - \varepsilon_1(\omega_j^2)x$$

$$\frac{d^{n-2}x}{dt^{n-2}} + b_1\frac{d^{n-3}x}{dt^{n-3}} + \cdots + b_{n-2}x = y$$

where ω_j is the frequency of the periodic part of the solution and ε_1 and ε_2

Card 1/3

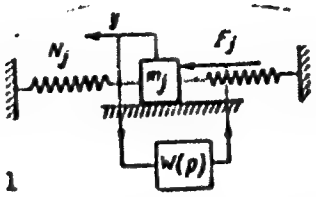


Fig. 1

are small quantities. The above equation is described physically by the mechanical system shown in Fig. 1. The approximate energy method solution gives the following condition for vibration damping

$$\begin{aligned} &-\varepsilon_2(\omega_j^2)(a_{n-2}-2a_{n-4}\omega_j^2+3a_{n-6}\omega_j^4-\cdots)+ \\ &+\varepsilon_1(\omega_j^2)(a_{n-3}-2a_{n-5}\omega_j^2+3a_{n-7}\omega_j^4-\cdots)<0 \end{aligned},$$

and the following expression for the damping index

$$h_j=\frac{\left(\begin{aligned}&-\varepsilon_2(\omega_j^2)(a_{n-2}-2a_{n-4}\omega_j^2+3a_{n-6}\omega_j^4-\cdots)+\\&+\varepsilon_1(\omega_j^2)(a_{n-3}-2a_{n-5}\omega_j^2+3a_{n-7}\omega_j^4-\cdots)\end{aligned}\right)}{2\sqrt{(a_{n-2}-2a_{n-4}\omega_j^2+3a_{n-6}\omega_j^4-\cdots)^2+\omega_j^2(a_{n-3}-2a_{n-5}\omega_j^2+3a_{n-7}\omega_j^4-\cdots)^2}}.$$

The above analysis is applied to the problem of a stable platform vibration, first

ACC NR: AT6007...

...friction on the stabilizing axis and next, including friction. Stability criteria are developed for each case, and a numerical example is given as illustration. Orig. art. has: 58 equations and 3 figures.

SUB CODE: 20/ SUBM DATE: 07Aug65/ ORIG REF: 006

17/
13/

Card 3/3 . egk

STOROZHENKO, V.N.; KAIPOVA, N.G., inzh. po tekhnicheskoy informatsii

Double-layer elastic rubber coatings. Tekst. prom. 23 no.9: 52-53 S '63. (MIRA 16:10)

1. Nachal'nik otdela rezino-tekhnicheskikh izdeliy Tashkentskogo tekstil'nogo kombinata (for Storozhenko). 2. Tashkentskiy tekstil'nyy kombinat (for Kaipova).
(Spinning machinery) (Rubber coatings)

L 17722-65 EWT(d)/EWP(1) Po-4/Pg-4/Pk-4/P1-4/Pq-4 IJP(c)/BSD/SSD/AFMDC/
AFWL(p)/ASD(a)-5/AFWL/AFETR/AFTC(p)/RAEM(a)/RAEM(d)/RSD(dp) BC
ACCESSION NR: AP4042818 S/0021/64/000/007/0873/0877

AUTHOR: Storozhenko, V. O. (Storozhenko, V. A.)

TITLE: The effect of insensitivity zones in the moment sensor of the work of a uniaxial system for autonomous determination of the position of an object

SOURCE: AN UkrSSR. Dopovidi, no. 7, 1964, 873-877

TOPIC TAGS: instrumentation, automatic control system, electromechanical system, automation, moment sensor, locating device

ABSTRACT: The present paper is concerned with the performance of a uniaxial electromechanical system designed to accurately determine the position of an object which is moving along the great circle of a sphere. Presumably such objects could be earth satellites. The theoretical relationships are shown in Figure 1 of the Enclosure, and a schematic is given in Figure 2 of the Enclosure. A is an accelerometer mounted on platform P, which is stabilized by gyroscope G, which gets a correcting torque M formed from the signal D which comes from the integrator I_1. The object of the device is to measure γ in Figure 1. The author calculates the error in γ due to the lag time between the deformation of the signal from the integrator and the application of the correcting torque to the platform. Orig. art. has: 5 figures and 13 formulas.

Card 1/3

L 17722-65
ACCESSION NR: AP4042818

2

ASSOCIATION Insty*tut matematy*ky* AN URSR (Mathematics Institute, AN UkrSSR)

SUBMITTED: 06Jun63 ENCL: 01 SUB CODE: ME, IE

NO REF SOV: 002 OTHER: 000

Satellite Tracking 9

Card 2/3

L 17722-65

ACCESSION NR: AP4042818

ENCLOSURE: 01

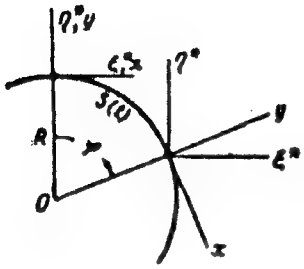


Figure 1.
Physical Relationships during Measurement

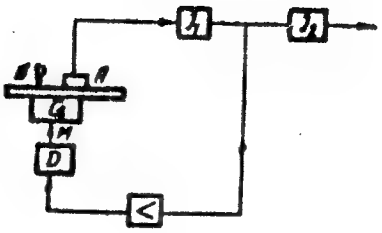


Figure 2.
Schematic of the Measurement System

Card 3/3

[redacted], V.I.; VASILIN, V.I.; AKIMIN, I.N.

[redacted] of a high-temperature microscope for plotting the diagrams of [redacted] salt systems. Zhur. fiz. khim., vol. [redacted] no. 5, 1955.

1. Ukrainskiy gosudarstvennyy proyektnyy i nauchno-issledovatel'skiy institut tsvetnoy metallurgii.

STOROZHENKO, V.P.

Formulation of technical and economic questions in connection with new problems in the teaching of geography. Geog. v shkole 22 no.2:13-19 Mr-Ap '59. (MIRA 12:6)
(Geography--Study and teaching)

SERKOVA, G.N.; STOROZHENKO, V.P.

Prospects for the use of plastics in the finishing of buildings. (MIRA 13:11)
Plast.massy no.9:30-32 '60.
(Plastics) (Construction industry)

STOROZHENKO, Vyacheslav Petrovich; SERKOVA, Galina Mikhaylichna; YEGOROV, N.G., nauchnyy red.; KOSTAKINA, Z.K., red. izd-va; KASHKAROV, D.Ya., tekhn. red.

[Manufacture of polymeric finishing materials and articles; status and prospects for development] Proizvodstvo polimernykh otdelochnykh materialov i izdelii; sostoianie i perspektivy razvitiia. Moskva, Gosstroiizdat, 1962. 112 p. (MIRA 15:6) (Polymers) (Building materials)

[illegible], V.F., [illegible]; BERKOVA, G.N., [illegible].

Technical and economic indices of the manufacture of various synthetic materials for flooring. Stroi. mat. 8 no.11[illegible]. N '62.

(Floor coverings)

D N V, Aleksandr Nikolayevich [illegible] KOZHEVNI..., Vyacheslav Petrovich, inzh., SHAIT, Leonid Moiseyevich, kand. tekhn. nauk, SHEMYAKIN, Yuriy Semyonovich, kand. tekhn.nauk; KOZHOKHIN, A A , otv. za vypusk; V VOCHAIKINA, L.A., red.

[New building materials. facts and figures] Novye stroitel'nye materialy, tsifry i fakty. Moskva, Izd-vo "Znaniia," 1963. 44 p (MIRA 16:11)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov) 2. Starshiy referent Pravleniya Vsesoyuznogo obshchestva "Znaniye" (for Kozhokhin).
(Building materials)

KOSHKIN, V.G., kand. tekhn. nauk; [illegible], I.I., inzh.; STOROZHENKO, V.F., inzh.-ekonomist

Prospects for using polymer finishing, heat insulating, soundproofing, waterproofing, and sealing materials in the construction industry. Sbor. trud. VNIINSM no.7:3-13 '63. (MIRA 17:11)

USSR/Pharmacology and Toxicology - General Problems.

Abs Jour : Ref Zhur - Biol., No 13, 1958, 61200

Author : Storozhenko, V.V.

Inst : Rostov-on-Don Medical Institute.

Title : The Effects of Some Pharmacological Agents upon the Excitability of the Cells of the Cortical Portion of the Motor Analyzer.

Orig Pub : Tr. Obshchn. nauchn. konferentsii (Rostovsk.-n/D. med. in-t) za 1956g. Rostov-na-Donu, 1957, 101-103.

Abstract : To determine the threshold of excitability (TE) of the cerebral cells, a method of long-term implantation of electrodes into the cerebrum was used. Stimulation was carried out through the implanted electrodes by means of a special device through which alternating current was passed. The TE was repeatedly measured for a number days.

Card 1/2

STOROZHENKO, V.; ZASUKHA, A., yurist

Volunteer inspectors should be given greater authority. Obshchestv.pit. no.2:11-12 F '63. (MIRA 16:4)

1. Starshiy gosudarstvennyy inspektor Glavnogo upravleniya gosudarstvennoy torgovoy inspektsii Ministerstva torgovli UkrSSR (for Storozhenko).
(Restaurants, lunchrooms, etc.—Auditing and inspection)

STYAZHK[illegible], V.V., Cand Med Sci -- (diss) "On the development of the functions of the auditory and visual analyzers in [illegible]." Rostov-on-Don, 1[illegible], [illegible] (Rostov-on-Don State Med Inst) 20 cc les (KL, 31-[illegible], 11)

[redacted], V.V.; ZAKHIA, A.

Restaurant or food store? Obshchest.pit. no.3:30-31 Mr '[illegible].
(ZAKHA[illegible])

1. Starshiy gosudarstvennyy inspektor upravleniya Gosторginspektsii Ministerstva torgovli USSR.
(Restaurant management)

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7. More data on the new species Septoria lallemantiae, Not.mat.ut.spor.mat. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Incl.

STOROZHENKO, Ye.A.

Necessary and sufficient conditions for the best approximation by polynomials in two variables. Pratsi Od. un. zhir. mol. vchen. un. 148 no.3:79-87 '58 (MIRA 13:3)

1. Nauchnyy rykovoditel' - dots. O. M. Mirak'yan [H.M. Mirak'ian]
(Approximate computation) (Polynomials)

[redacted]

Odessa, 1960,

7 pp, 200 cop. (Odessa State U im I. I. Mechnikov) (KL, 45-60, 122)

S/044/62/000/007/010/100
C111/C333

AUTHOR: Storozhenko, E. A.

TITLE: On the best approximation of functions of two variables using [illegible]

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 17-18, abstract 7V97. ("Issled. po sovrem. probl. konstruktivn. teorii funktsiy." M., Fizmatgiz, 1961, 243-247)

TEXT: Let $E_{nm}(f)$ be the best approximation of the continuous function $f(x,y)$ in the square $D = \{-1 \leq x, y \leq 1\}$ using algebraic polynomials of order n in x and m in y. Let $I_{n\infty}(f)$ be the approximation of the function f in the square D using partial sums of n-th order in x of the Fourier expansion of f according to Chebyshev polynomials. Let $I_{\infty m}(f)$ be an analogous approximation of m-th order in y. The problem is posed of proving the inequality

$$E_{nm}(f) \leq [illegible] \quad (1)$$

where C does not [illegible] n and m. It is shown that (1) holds for

Card 1/2

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C111/C333

On the best approximation of . . .

functions with Fourier series according to Chebyshev polynomials

$$f(x,y) = \sum_{k=-1}^{\infty} \sum_{n=-1}^{\infty} a_{kn} T_k(x)\, T_n(y)$$

having only absolutely disappearing coefficients; $a_{kn} \neq 0$. It is also pointed out that (1) holds for a certain infinite set of values n and m assuming that f(x,y) is analytical in x and y and that f(x,y) $\neq$ M, if the complex variables x and y are situated within ellipses, the focal points of which are +1 and -1 and the sum of the half axis of which is equal to ρ. The author makes some comments on the validity of the inequality

$$E_{nm}(f) \leq C \left[E_{n\,\infty}(f) + E_{\infty\,m}(f) \right],$$

where C is independent of n and m, while $E_{n\,\infty}(f)$ is the best approximation of f(x,y) in the square D using algebraic polynomials of

Card 2/3

VOROB'YEVA, N.N.; KOLESNIKOV, M.A., kand.sel'skokhoz.nauk; MOTOVILOV, B.A., kand.sel'skokhoz.nauk; PODOAYEVSKAYA, A.A., kand.sel'skokhoz.nauk; PRIYMAK, A.K., doktor sel'skokhoz.nauk; RYADNOVA, I.M., kand.sel'skokhoz.nauk; SHROKYEV, L.M., kand.sel'skokhoz.nauk; SNITKO, N.F., kand.sel'skokhoz.nauk; STOROZHENKO, Ye.M.; TRUSKEVICH, O.V., kand.sel'skokhoz.nauk; ZAHADVOROV, S.M., red.; KOPANOV, P.F., tekhn.red.

[Fruit culture] Plodovodstvo. Krasnodarskoe knizhnoe izd-vo, 1957. 267 p. (MIRA 12:5)

(Fruit culture)

[illegible] Plant Diseases, Diseases of Cultivated Plants [illegible]

Abs Jour : [illegible] Biol., No 19, 1958, No 44[illegible]

Author : Moroshkin Yu.M.
Inst : Krym Scientific Research Institute of Agriculture
Title : Grapevine Rot Control Methods

Orig Pub : Byul. nauchno-tekhn. inform. Krym. nauchno-issled. in-ta sad., vin. i vinod., 1957, vyp. 1, 41-44

Abstract : The barrier leaves susceptible to white rot upon attaining half size and are chiefly attacked by the disease up to the beginning of ripening. The optimum conditions for the development of the disease are temperatures ranging between 25-27° with a relative humidity of 75%. The Aligote, Sterling and Pinot Gris varieties were more seriously infected than the White Chasla, Muscatella and Cabernet. Peculiarity of the devastating diseased berries are a discernible characteristic, especially the pycnidia are absent. Spraying with 1% Bordeaux mixture is recommended, which yields better results than 3% Bordeaux mixture. -- P.M. Shterenberg

Card : 1/1

STOROZHENKO, Ye. M. Cand Agr Sci -- (diss) "The White rot of grapes of Kuban'," and "The means of struggle against it." Mos, 1958. 17 pp (Mos Order of Lenin Agr Acad im K. A.Timiryazev), 110 copies (KL, 14-58, 115)

-30-

SNITKO, Nikolay Fedorovich kand. sel'khoz. nauk; SERUKHOVITINA, Serafima Frolovna, kand. sel'khoz. nauk; STOROZHENKO, Yekaterina Moiseyevna, kand. sel'khoz. nauk; GAVRILOV, V.P., red.; KHLOBORDOV, V.I., tekhn. red.

[Orchards and vineyards on the farmers' personnal plots]Priusadebnyi plodovyi sad i vinogradnik. 2. izd. ispr. i dop. Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1960. 159 p. (MIRA 16:1)

(Fruit culture) (Viticulture)

S/194/61/000/005/010/078
D201/D303

12 2206

AUTHORS: Gorin, A.V., Grosman, V.A., Drepchinskiy, L.V., Rayevskiy, B.N., Kozlov, L.P., Storozhenko, V.P., Fedorov, Yu.P., Shevelin, G.N. and Shelov, V.F.

TITLE: A mobile radiometric emergency laboratory using semiconductor devices

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1961, 51-52, abstract 5 A235 (Dokl. nauchn. konferentsii in-ta radiats. gigiyeny po itogam raboty za 1959, g., L., 1960, 18-19)

TEXT: A description is given of a complete mobile laboratory, mounted on the automobile YAZ-450 A (UAZ-450 A) and which is to be used for detecting radioactive isotope contamination of certain areas or of separate objects. The laboratory equipment consists of the following: 1) automatic recorder of the level of γ-background from 10 to 10^{-5} microcurie/hr (URP-PRS-5)(IRG-PGS-5)); 2) 2

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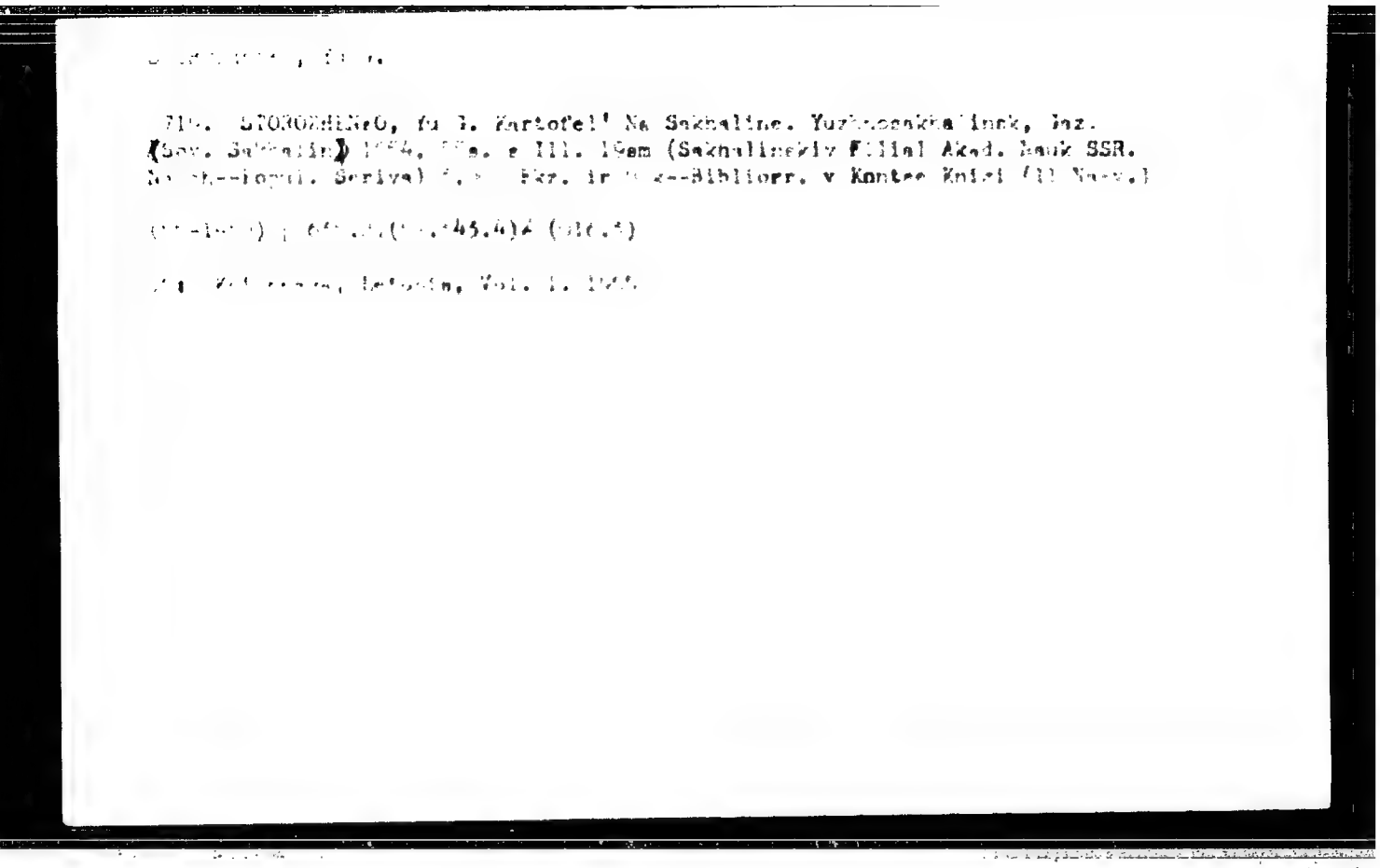
S/194/61/000/005/015/078
D201/D303

A mobile radiometric emergency...

calculating machines (VTA-77-100)(IRM-22-100)); 3) supplies 220-300 V; 4) head servomit.; (telescope 50 m) for counters CI2-3 (STS-5) in cassettes or for the end-counter; 5) rate counter VIT-IP-1 (IRS-IP-1) with counting rate up to 10^6 pulses/min; 6) beta-gamma portable scintillating radiometer with SI-25 (PSU-25) VIT-IP-2 (IRS-VR-2). Power for the whole installation is supplied by the automobile battery. Power consumption ~ 15 watt. The laboratory personnel consists of three operators and driver. [Abstracter's note: Complete translation]

Card 2/2



PALUTINA, O.S.; PETRENKO, L.A.; STOROZHENKO, Yu.G.

[Let's bring corn to the fields of Sakhalin]Kukuruzu - na polia Sakhalina. IUzhno-Sakhalinsk, Izd. gazety "Sovetskii Sakhalin," 1955. 22 p. (MIRA 15:10)
(Sakhalin—Corn (Maize))

STOROZHENKO, Yu.G.

Effect of seed preparation and the time and method of planting on the resistance of potatoes to late blight. Soob.Sakhal.kompl.nauch.-issl.inst.AN SSSR no.2:3-9 '55. (MIRA 14:4)

(Potatoes--Disease and pest resistance)

STOROZHENKO, Yu.G.

Diseases of wart-resistance potato varieties in southern Sakhalin. Soob.Sakhal.kompl.nauch.-issl.inst.AN SSSR. no.2:10-15 '55. (MIRA 14:4)

(Sakhalin--Potatoes--Diseases and pests)

STOROZHENKO, Yu. G. Cand Agr Sci -- (diss) "The Biological Properties and Cultivation of the Potato in Sakhalin." Yuzhniy-Sakhalinsk, 1956. 25 pp 19 cm. (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Inst of Plant Breeding), 150 copies (KL, 17-57, 98)

POD"YACHEV, [illegible]

Effect of mineral fertilizers on potato and vegetable yields in Sakhalin. [illegible] Sakhal. fil. AN SSSR no.3:3-15 '56. (MLRA 10:7)
(Sakhalin--Vegetables) (Fertilizers and manures)

POD'YACHEV, N.I.; STOROZHENKO, Yu.G.

Preliminary results of liming some soil types of Sakhalin. (MLRA 10:7)
Soob.Sakhal.fil. AN SSSR no.3:16-26 '56.
(Sakhalin--Soil acidity) (Lime)

USSR/Cultivated Plants. Potatoes. Vegetables. Melons.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20318.

Author : Yu.G. Storozhenko.
Inst : Not given.
Title : Damage to Various Varieties of Potatoes Caused by Wireworms. (Povrazheniye razlichnykh sortov kartofelya provolochnikami).

Orig Pub: Soobshch. Sakhalinskogo fil. AN SSSR, 1956, vyp. 3, 42-45.

Abstract: The results of research performed at the testing field of the Sakhalinskiy affiliate of the Academy of Sciences USSR on the damage to several varieties of potatoes caused by wireworms. The relative resistance to the larvae of the dark click-beetle is noted for such potato varieties as the Seyanets 7-585, Seyanets-6-103, Ural'skiy, Berlikhingen, as well as the high resistance in a number of cases to damage of the late-ripening potato varieties

Card : 1/2

Storozhenko, Yu. G.

USSR/Cultivated Plants. Potatoes. Vegetables. Melons M-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1564

Author : Yu.G. Storozhenko
Inst : Not Given
Title : The Problem of the History of Potatoes in Sakhalin

Orig Pub : Soobshch. Sakhalinsk. kompleksn. n.i. in-ta AN SSSR, 1956, vyp. 4, 24-29

Abstract : Based on an investigation of literary sources, the advent potatoes to Sakhalin through Russian military settlers during the middle of the Nineteenth century has been deduced. Potatoes were brought to Japan from the island of Java in 1598. At the present time more than 50 varieties of potatoes are being raised in Sakhalin. The crop yields up to 250 centners per hectare. The bibliography contains 24 listings.

Card : 1/1

[illegible] : [illegible] rei [illegible] Zoloteye, [illegible] [illegible] [illegible]

[illegible] : [illegible] -Biologiya, No. 9, 1959, No. [illegible]6

[illegible] : [illegible], Yu.P.

[illegible] : [illegible]

[illegible] : [illegible] Resistant [illegible] to Impro[illegible] [illegible] Boosting [illegible] in [illegible] [illegible] of [illegible]

ORIG. PUB. : [illegible] nauchno-tekhn. inform. [illegible], [illegible] in-ta s.-kh., [illegible], [illegible] 13-16

ABSTRACT : [illegible] 1950 at the central experimental field of the Sakhalin Affiliate of the Academy of Sciences USSR, as well as in the kolkhozes and sovkhozes of Sakhalinskaya oblast, there have been tested phytophthora resistant potato varieties obtained from the All-Union Plant Cultivation Institute and the Institute of Potato Raising (Ural'skiy, Krasnoufimskiy, Seyanets 7-585, Moskvich, Seyanets 6-103, hybrid Kamaraza No.1, Seyanets 998).

CARD : 1/2

56

: [illegible]

[illegible]
Potatoes. Vegetables. Chemistry.
[illegible], No. 3, 19[illegible], pp. 10[illegible]

: Stroshenko, Yu. D.
Sakhalin Combined Scientific Research Institute, AS USSR
: A Study of Potato Varieties Under the Conditions of Sakhalin.

Sobshch. Sakhalinsk. kompleksn. n.-i. in-ta. AN SSSR, 1957, vyp. 5, 97-111
: As the result of many-years' introduction, natural and artificial selection, there is on Sakhalin a large number of potato varieties. In the Extreme North, the select Krasnyy variety brought in 1939 from Kirov Experimental Station, quickly crowded out the other varieties. By the selection from it, there was isolated after 15 years the high-yield variety Krasnyy Pervenets adapted to the severe local conditions. In the central part of the island, there have been grown for many years the Berlikhingen and Yubal' varieties from which clones

[illegible]

-53-

: [illegible]., No. 1959, No. 10951

: of varieties for further study. A study of a large number of potato varieties and seedlings resistant to Phytophtora has been conducted since 1950. The Phytophtora resistant varieties (Ural'skiy, Krasnoufimskiy and the less productive seedling U8-96) secured higher yields than the regionally adapted and local varieties. With respect to the starch content, the majority of the varieties resistant to Phytophtora is not inferior to the variety Mestnyy Alyy. Hybrid Kamerasa No. 1 and seedling (-10) may be pointed out as varieties of high starch con-

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[illegible], No. [illegible], No. 10, 51

: mechanical composition; for light, meadow-turf soils of the northern regions - the Mestnyy Alyy variety. Bibliography of 23 titles. — A. I. Silkova

CARD: 5/5

STOROZHENKO, Yuriy Georgiyevich; CHERNYY, V.A., doktor sel'skokhoz.nauk, otv.red.; CHUMAYEVSKAYA, M., red.; OUSKOVA, I., tekhn.red.

[Biological characteristic and cultivation of potatoes on Sakhalin] Biologicheskie osobennosti i vozdelyvanie kartofelia na Sakhaline. Moskva, Izd-vo Akad.nauk SSSR, 1959. 159 p. (MIRA 13:1)

(Sakhalin--Potatoes)

GUBAVICH, S.I.; SHOKOLENKO, Yu.I.; KIENAS, A.P.

Programming system with punched tape for the control of continuous worm apparatus. Koks.-obuv. prom. 7 no.9:13-16 S '65.
(MIRA 18:9)

AUTHORS: Fogel', Ya.I., Frenkel', R.I., Sterchenko, Z.I. 32-12-11/71

TITLE: The Determination of Thiosulphate and Rhodanide [illegible] Traces for the Thermal Sulfonation of Metals (Opredeleniye tiosul'fatov i rodanidov v sledakh dlya termicheskogo sul'fidirovaniya metallov).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1428-1429 (USSR)

ABSTRACT: In the process of the thermal sulfonation of iron metals sulphides, half-sulphides, sulphates, and a small quantity of sulphur are formed and accumulate in the troughs. For the determination of the thiosulphide content (in the USSR) iodometrical methods are employed. With respect to the determination of rhodanide an experiment was described by this paper, in which the application of the bromine-iodometric method according to Shulek (Ref.] is said to give too low results. The method consists in previous oxidation of CNS- into bromine cyanogen, the decay of which by potassium iodide and following titration of the separated iodine by the thiosulphate solution after the forming of a compound between the free (excess) bromine with phenol. Because of the statement made in publications (Ref.4 that in this case results should be too low, it is stated here that

Card 1/2 this is the case only if the titer of the sodium thiosulphate